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(54) Title: MULTIFUNCTIONAL SUBSTITUTED MONOMERS AND POLYARYLENE COMPOSITIONS THEREFROM

(57) Abstract: A compound useful in the formation of polymeric dielectric films for semiconductor devices and the resulting cured films and devices, said compound comprising i) three or more dienophile groups (A-functional groups) and ii) a single ring structure comprising two conjugated carbon-to-carbon double bonds and a leaving group L (collectively referred to as a B-functional group), characterized in that one A-functional group of one molecule of the compound is capable of reaction under cycloaddition reaction conditions with the B-functional group of a second molecule and elimination of the leaving group L, to thereby form a polymer.

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